

05-07-02

PTO/SB/21 (08-00)

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5-13-2

TRANSMITTAL
FORM

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Total Number of Pages in This Submission

Application Number

10/642,880

Filing Date

January 9, 2002

First Named Inventor

Chong-White

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Group Art Unit

2641

MAY 09 2002

Examiner Name

Unassigned

Technology Center 2600

Attorney Docket Number

03493.00293

ENCLOSURES (check all that apply)

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(for an Application) After Allowance Communication to
Group Fee Attached Drawing(s) Appeal Communication to Board of
Appeals and Interferences Amendment / Response Licensing-related Papers Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief) After Final Petition Proprietary Information Affidavits/declaration(s) Petition to Convert to a
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1.52 or 1.53

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Firm
or
Individual name

Kenneth F. Smolik

Signature

Date

May 1, 2002

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By: 

Chong-White, U.S. Patent Application No. 10/042,880 for ENHANCING SPEECH
INTELLIGIBILITY USING VARIABLE-RATE TIME-SCALE MODIFICATION

- Transmittal Form (1 page)
- Informatino Disclosure Statement (3 pages)
- PTO/SB/08A Form (1 page)
- Ten (10) References
- Return Receipt Postcard



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. 03493.00293)

In the Application of: Chong-White, et al)
Application No. 10/042,880)
Filed: January 9, 2002)
FOR: ENHANCING SPEECH INTELLIGIBILITY)
USING VARIABLE-RATE TIME-SCALE)
MODIFICATION)

Group Art Unit: 2641
Examiner: Unassigned

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INFORMATION DISCLOSURE STATEMENT

Asst. Commissioner of Patents
Washington, DC 20231

Pursuant to 37 CFR §§1.97 and 1.98, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 CFR §1.56. Copies of the references cited below are enclosed. The references are also listed on the enclosed and completed PTO Form 1449.

This Information Disclosure Statement is filed under 37 CFR §1.97(b) within three months of this application's filing date or before the mailing date of a first Office Action on the merits. Accordingly, there is no fee due for filing this Information Disclosure Statement.

Under 37 CFR §1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made.



Under 37 CFR §1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the cited references are, or are considered to be, material to patentability as defined in 37 CFR §1.56(b).

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Verhelst, Werner, "Overlap-add Methods for Time-Scaling of Speech," *Speech Communications*, 30(2000), pp. 207-221.

David Kapilow, et al., "Detection of Non-Stationarity in Speech Signals and Its Application to Time-Scaling.", 6th European Conference on Speech Communication and Technology, Sept. 5-9, 1999, Budapest, Hungary, Vol.5, pp. 2307-2310.

Hazan, Valerie, et al., "The Effect of Cue-Enhancement on the Intelligibility of Nonsense Word and Sentence Materials Present in Noise," *Speech Communication*, 4(1998), pp. 211-226.

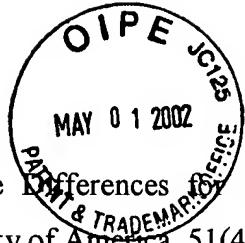
Balakrishnan, Uma, et al., "Consonant Recognition for Spectrally Degraded Speech as a Function of Consonant-Vowel Intensity Ratio," *Journal of the Acoustical Society*, 99(6), June 1996, pp. 3758-3768.

Gordon-Salant, "Recognition of Natural and Time/Intensity Altered CVs by Young and Elderly Subjects with Normal Hearing," *Journal of the Acoustical Society*, 80(6), December 1986, pp. 1599-1607.

Furui, Sadaoki, "On the Role of Spectral Transition for Speech Perception," *Journal of the Acoustical Society of America*, 80(4), October 1986, pp. 1016-1025.

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Respectfully submitted,

BANNER & WITCOFF, LTD

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Dated: May 1, 2002

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Substitute for form 1449A/PTO

Complete if Known

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number

10/042,880

Filing Date

January 9, 2002

First Named Inventor

Chong-White

Group Art Unit

2641

Examiner Name

Unassigned

Sheet

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of

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Attorney Docket Number

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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		Verhelst, Werner, "Overlap-add Methods for Time-Scaling of Speech," <i>Speech Communications</i> , 30(2000), pp. 207-221	
		David Kapilow, et al., "Detection of Non-Stationarity in Speech Signals and Its Application to Time-Scaling.", 6th European Conference on <i>Speech Communication and Technology</i> , Sept. 5-9, 1999, Budapest, Hungary, Vol.5, pp. 2307-2310.	
		Hazan, Valerie, et al., "The Effect of Cue-Enhancement on the Intelligibility of Nonsense Word and Sentence Materials Present in Noise," <i>Speech Communication</i> , 4(1998), pp. 211-226	
		Balakrishnan, Uma, et al., "Consonant Recognition for Spectrally Degraded Speech as a Function of Consonant-Vowel Intensity Ratio," <i>Journal of the Acoustical Society</i> , 99(6), June 1996, pp. 3758-3768	
		Gordon-Salant, "Recognition of Natural and Time/Intensity Altered CVs by Young and Elderly Subjects with Normal Hearing," <i>Journal of the Acoustical Society</i> , 80(6), December 1986, pp. 1599-1607	
		Furui, Sadaoki, "On the Role of Spectral Transition for Speech Perception," <i>Journal of the Acoustical Society of America</i> , 80(4), October 1986, pp. 1016-1025	
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		Steven, Kenneth N., <i>Phonetic Linguistics</i> , ISBN 0-12268990-9, Academic Press, Inc, 1985, pp. 243-255	
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		Miller, George A., et al., "An Analysis of Perceptual Confusions Among Some English Consonants," <i>Journal of the Acoustical Society of America</i> , 27(2), March 1955, pp. 338-352	

Examiner Signature	Date Considered
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

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